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## Derwent Record

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### Earth leakage detector

Derwent Title:

Original Title: KR1027869A: EARTH LEAKAGE DETECTOR

Assignee:

HYUNDAI HEAVY IND CO LTD Non-standard company

Inventor:

JUNG G C; KIM D S; KO Y C; LEE S M;

Accession/

Update: 2001-548162 / 200161

IPC Code:

G01R 31/02 ;

Derwent Classes:

S01;

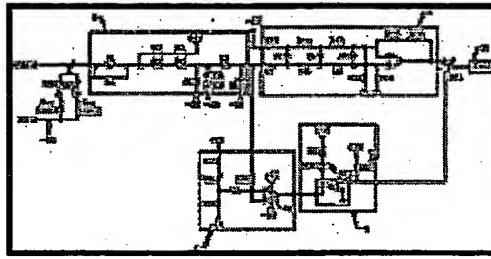
Manual Codes:

S01-G04 (Testing for short circuits, discontinuity and leakage [general])

Derwent Abstract:  
An earth leakage detector is provided to prevent damage of system due to leakage accident by determining degree of insulation between a power circuit and a frame ground.

**Detailed Description** - A voltage detecting and switching noise filtering device(1) prevents error due to noise generated upon operation of a system by filtering a signal voltage inputted and detects voltage between a power circuit and a frame ground. A differential amplifier (2) amplifies the detected voltage from the voltage detecting and switching noise filtering device. A controller(3) compares the voltage from the differential amplifier with predefined reference voltage, determines a leakage current quantity and determines whether the leakage accident happens to control the system.

Images:



Dwg.1/10

@ Family:

[PDF Patent](#)   [Pub. Date](#) [Derwent Update](#) [Pages](#) [Language](#) [IPC Code](#)  
 KR1027869A \* 2001-04-06 200161 1 English G01R 31/02  
Local appls.: KR1999000039842 Filed:1999-09-16 (99KR-0039842).....

Priority Number:

| Application Number | Filed      | Original Title |
|--------------------|------------|----------------|
| KR1999000039842    | 1999-09-16 | EARTH LEAKAGE  |

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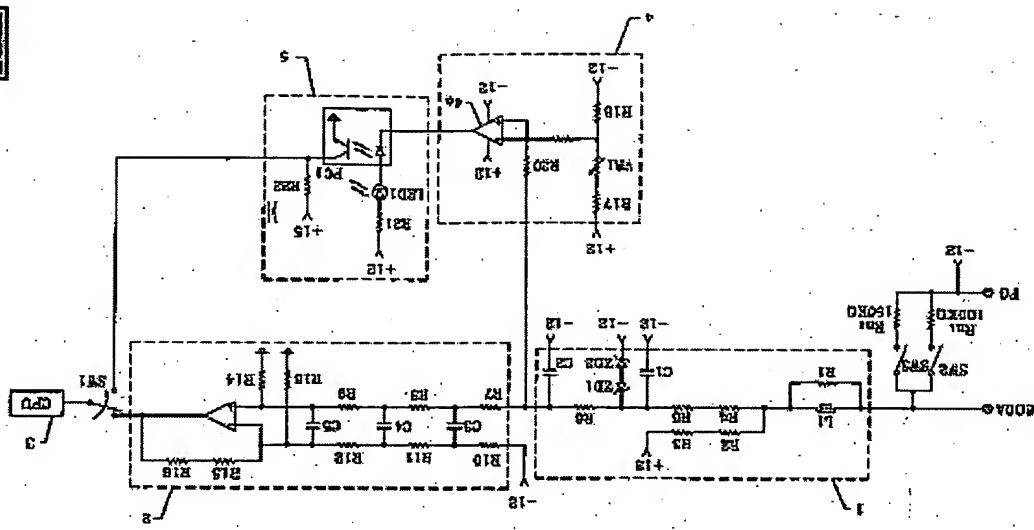
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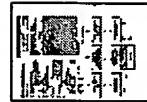
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### **>Title: KR1027869A: EARTH LEAKAGE DETECTOR**

**Derwent Title:** Earth leakage detector [Derwent Record]**Country:** KR Republic of Korea**Kind:** A Examined Patent Application**High Resolution****Inventor:** JUNG, GI CHAN; Republic of Korea  
KIM, DU SIK; Republic of Korea  
KO, YEONG CHEOL; Republic of Korea  
LEE, SEONG MOK; Republic of Korea**Assignee:** HYUNDAI HEAVY INC., Republic of Korea  
News, Profiles, Stocks and More about this company**Published / Filed:** 2001-04-06 / 1999-09-16**Application Number:** KR1999000039842**IPC Code:** G01R 31/02;**ECLA Code:** None**Priority Number:** 1999-09- KR1999000039842**Family:**

| PDF                                 | Publication | Pub. Date  | Filed      | Title         |
|-------------------------------------|-------------|------------|------------|---------------|
| <input checked="" type="checkbox"/> | KR1027869A  | 2001-04-06 | 1999-09-16 | EARTH LEAKAGE |

1 family members shown above

Other Abstract

Info:



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## EARTH LEAKAGE DETECTOR

**Patent number:** KR2001027869  
**Publication date:** 2001-04-06  
**Inventor:** JUNG GI CHAN [KR]; KIM DU SIK [KR]; KO YEONG CHEOL [KR]; LEE SEONG MOK [KR]  
**Applicant:** HYUNDAI METAL CO LTD [KR]  
**Classification:**  
- **International:** G01R31/02  
- **European:**  
**Application number:** KR19990039842 19990916  
**Priority number(s):** KR19990039842 19990916

Abstract not available for

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